

Please amend the specification as follows:

Please replace the paragraph starting on page 6, line 11 with the following paragraph.

In the embodiment of Figure 1, an essentially gaseous phase is injected via a conduit (1) into the distributor plate substantially along the principal axis of a reactor into a vessel filled with gas (2). When said phase comprises a non-negligible quantity of liquid, a jet-breaking device, not shown in Figure 1, can optionally be inserted at the head of the reactor. Said gas then flows through tubes (4) that imperviously traverse a liquid chamber (5) before entering a solid granular bed (12), for example a catalytic bed, located downstream of the device. The chamber is supplied by injecting a liquid feed through injection lines (6) substantially radially with respect to the principal reactor axis. This liquid chamber is kept filled, i.e., continuously filled with liquid, said liquid being injected into the bed from this ~~vessel~~ chamber through the orifices. The liquid chamber is kept filled using any technique that is known to the skilled person, in particular by the presence of a purge valve ~~in the liquid vessel~~, not shown in Figure 1, for evacuating residual gas. In a first embodiment of the invention, shown in Figure 2, said orifices are holes (7) the distribution of which over the entire lower surface of the liquid vessel and between the tubes for injecting gas phase is calculated using any technique that is known to the skilled person to obtain homogeneous fluid distribution.

Please replace the paragraph starting on page 8, line 20 with the following paragraph.

The chamber is supplied by injecting liquid feed substantially radially with respect to the principal reactor axis through injection lines (6). This liquid ~~vessel~~ chamber is kept full, i.e., continually filled with liquid, said liquid being injected into the column from this ~~vessel~~ chamber through the orifices, along a path (38) shown in Figure 3. The other numerated elements shown in Figure 3 are identical to those shown in Figure 1. The orifices of the liquid chamber can be disposed in a plurality of manners, in particular those described above and shown in Figure 2.

Please replace the paragraph starting on page 9, line 1 with the following paragraph.

In summary, the device of the invention is a device that is placed in a vessel (3) for carrying out separate injection of two fluids in two different physical states, or which are not

miscible, and for homogeneous distribution in the vessel of at least one of the two fluids downstream of said device, the first fluid being injected into the vessel at at least one point level with said device. Said device comprises a chamber (5) pierced by orifices (7, 8) for the passage of a first fluid, said chamber (5) also being imperviously traversed by tubes (4) or conduits with a free end acting as a passage for the second fluid through said chamber.

Please insert the following paragraph on page 9, line 16 of the specification.

Brief Description of Drawings:

Figure 1 - Shows an embodiment where the device is used in a reactor.

Figure 2 - Shows two embodiments of the device.

Figure 2 - Shows an embodiment where the device is used in a distillation column.